

```

> d his

(FILE 'HOME' ENTERED AT 10:23:52 ON 04 APR 2002)

FILE 'CAPLUS' ENTERED AT 10:24:07 ON 04 APR 2002
L1      1 S US5527789/PN
        SELECT L1 1 RN
L2      8608 S E1-E15

FILE 'REGISTRY' ENTERED AT 10:24:55 ON 04 APR 2002
L3      1 S 1065-31-2/RN

FILE 'REGISTRY' ENTERED AT 10:26:12 ON 04 APR 2002
L4      1 S 1173-76-8/RN

FILE 'REGISTRY' ENTERED AT 10:27:40 ON 04 APR 2002
L5      1 S 2394-68-5/RN

FILE 'REGISTRY' ENTERED AT 10:28:30 ON 04 APR 2002
L6      1 S 303-98-0/RN

FILE 'REGISTRY' ENTERED AT 10:29:20 ON 04 APR 2002
L7      1 S 727-81-1/RN

FILE 'CAPLUS' ENTERED AT 10:29:38 ON 04 APR 2002
L8      2638 S E3-E12
L9      30 S L8(L)CANCER
L10     19 S L9 NOT PY>=1995
L11     17 S L9 NOT PY>=1994
L12     0 S US4956335/PN
L13     1 S US4956355/PN
        SELECT L13 1 RN
L14     7080 S E16-E18
L15     4596 S L14 NOT PY>=1994

FILE 'USPATFULL' ENTERED AT 10:37:23 ON 04 APR 2002
L16     546 S DEHYDROEPIANDROSTERONE
L17     0 S L16(L)THU/RL
L18     361 S L16(L)COMPOSITION
L19     64 S L18 NOT PY>=1994

=> s l19/clm
QUALIFICATION NOT VALID FOR NUMERIC DATA 'PY/CLM'
Numeric data cannot be field qualified.

=> s l18/clm
    140 DEHYDROEPIANDROSTERONE/CLM
    4 DEHYDROEPIANDROSTERONES/CLM
    140 DEHYDROEPIANDROSTERONE/CLM
        ((DEHYDROEPIANDROSTERONE OR DEHYDROEPIANDROSTERONES) /CLM)
    230792 COMPOSITION/CLM
    13100 COMPOSITIONS/CLM
    234131 COMPOSITION/CLM
        ((COMPOSITION OR COMPOSITIONS) /CLM)
L20      45 ((DEHYDROEPIANDROSTERONE/CLM) (L) COMPOSITION/CLM)

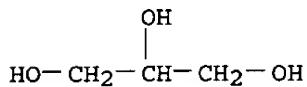
=> s l20 not py>=1994
    1294178 PY>=1994
L21      7 L20 NOT PY>=1994

```

=> s glycerin/cn  
L1 1 GLYCERIN/CN

=> d rn str cn

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 56-81-5 REGISTRY



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

CN 1,2,3-Propanetriol (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycerol (8CI)

CN Propanetriol (7CI)

OTHER NAMES:

CN 1,2,3-Trihydroxypropane

CN Bulbold

CN Cristal

CN E 422

CN Glyceol Opthalgan

CN **Glycerin**

CN Glycerine

CN Glyceritol

CN Glycyl alcohol

CN Glyrol

CN Glysanin

CN IFP

CN Incorporation factor

CN Mackstat H 66

CN NSC 9230

CN Osmoglyn

CN Pricerine 9091

CN RG-S

CN Trihydroxypropane

CN Tryhydroxypropane

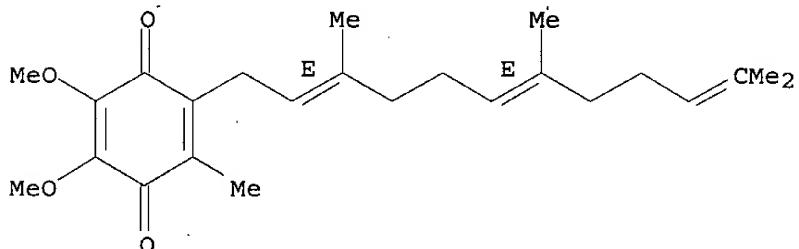
=> s e1-e15

5550 53-43-0/BI  
215 1065-31-2/BI E2  
121 1173-76-8/BI E3  
2 151434-12-7/BI  
2 151434-13-8/BI  
274 2394-68-5/BI E6  
197 303-95-7/BI  
624 303-97-9/BI  
2076 303-98-0/BI E9  
2 3881-61-6/BI  
34 4370-61-0/BI  
61 4370-62-1/BI  
423 606-06-4/BI  
239 727-81-1/BI  
7 80724-82-9/BI

L2 8608 (53-43-0/BI OR 1065-31-2/BI OR 1173-76-8/BI OR 151434-12-7/BI  
OR 151434-13-8/BI OR 2394-68-5/BI OR 303-95-7/BI OR  
303-97-9/BI  
OR 303-98-0/BI OR 3881-61-6/BI OR 4370-61-0/BI OR 4370-62-1/BI  
OR 606-06-4/BI OR 727-81-1/BI OR 80724-82-9/BI)

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 1173-76-8 REGISTRY  
CN 2,5-Cyclohexadiene-1,4-dione, 2,3-dimethoxy-5-methyl-6-[(2E,6E)-3,7,11-trimethyl-2,6,10-dodecatrienyl]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2,5-Cyclohexadiene-1,4-dione, 2,3-dimethoxy-5-methyl-6-(3,7,11-trimethyl-2,6,10-dodecatrienyl)-, (E,E)-  
CN p-Benzoquinone, 2,3-dimethoxy-5-methyl-6-(3,7,11-trimethyl-2,6,10-dodecatrienyl)-, (E,E)- (8CI)  
OTHER NAMES:  
CN Coenzyme Q3  
CN CoQ3  
CN Ubiquinone 15  
CN Ubiquinone 3  
CN Ubiquinone Q3  
FS STEREOSEARCH  
DR 13425-43-9  
MF C24 H34 O4  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, MEDLINE,  
TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

Double bond geometry as shown.



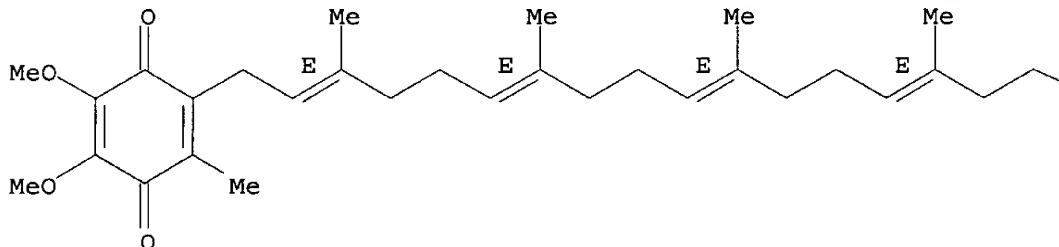
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

119 REFERENCES IN FILE CA (1967 TO DATE)  
121 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

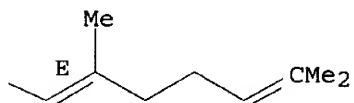
L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
 RN 1065-31-2 REGISTRY  
 CN 2,5-Cyclohexadiene-1,4-dione, 2-[(2E,6E,10E,14E,18E)-3,7,11,15,19,23-hexamethyl-2,6,10,14,18,22-tetracosahexaenyl]-5,6-dimethoxy-3-methyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2,5-Cyclohexadiene-1,4-dione, 2-(3,7,11,15,19,23-hexamethyl-2,6,10,14,18,22-tetracosahexaenyl)-5,6-dimethoxy-3-methyl-, (all-E)-  
 CN p-Benzoquinone, 2-(3,7,11,15,19,23-hexamethyl-2,6,10,14,18,22-tetracosahexaenyl)-5,6-dimethoxy-3-methyl-, (all-E)- (8CI)  
 OTHER NAMES:  
 CN Coenzyme Q6  
 CN Coenzyme Qq6  
 CN CoQ6  
 CN Ubiquinone 30  
 CN Ubiquinone 6  
 CN Ubiquinone Q6  
 FS STEREOSEARCH  
 DR 7444-53-3, 26548-74-3, 40036-14-4  
 MF C39 H58 O4  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, DDFU, DRUGU, EMBASE, MEDLINE, NIOSHTIC, TOXCENTER, USPATFULL  
 (\*File contains numerically searchable property data)

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

210 REFERENCES IN FILE CA (1967 TO DATE)  
 211 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L19 ANSWER 1 OF 64 USPATFULL  
ACCESSION NUMBER: 93:107005 USPATFULL  
TITLE: Fragrance compositions and other compositions which contain human pheromones  
INVENTOR(S): Berliner, David L., Atherton, CA, United States  
PATENT ASSIGNEE(S): Erox Corporation, Menlo Park, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5272134		19931221
APPLICATION INFO.:	US 1992-907940		19920624 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-856435, filed on 24 Mar 1992		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Reamer, James H.		
LEGAL REPRESENTATIVE:	Morrison & Foerster		
NUMBER OF CLAIMS:	26		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)		
LINE COUNT:	1146		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L19 ANSWER 2 OF 64 USPATFULL  
ACCESSION NUMBER: 93:91642 USPATFULL  
TITLE: Anticholinergic compounds, compositions and methods of treatment  
INVENTOR(S): Hammer, Richard H., Gainesville, FL, United States  
Bodor, Nicholas S., Gainesville, FL, United States  
PATENT ASSIGNEE(S): University of Florida, Gainesville, FL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5258388		19931102
APPLICATION INFO.:	US 1992-931320		19920818 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1990-558823, filed on 27 Jul 1990, now patented, Pat. No. US 5223528 Continuation of		
	Ser. No. US 1988-245333, filed on 16 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1988-189709, filed on 3 May 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-130454, filed on 17 Nov 1987, now abandoned which is a continuation-in-part of Ser. No. US 1986-839941, filed on 17 Mar 1986, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Springer, David B.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis		
NUMBER OF CLAIMS:	42		
EXEMPLARY CLAIM:	1,42		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1778		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L19 ANSWER 3 OF 64 USPATFULL  
ACCESSION NUMBER: 93:78553 USPATFULL

TITLE: Vaginal suppository  
INVENTOR(S) : Sakaguchi, Minoru, Tondabayashi, Japan  
Awata, Norio, Yamatokoriyama, Japan  
Kawashima, Tsuneo, Osaka, Japan  
Nakagawa, Hiroshi, Nagaokakyō, Japan  
PATENT ASSIGNEE(S) : Kanebo, Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5246704		19930921
APPLICATION INFO.:	US 1992-913102		19920714 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1990-468309, filed on 22 Jan 1990, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-14528	19890123
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Hulina, Amy	
LEGAL REPRESENTATIVE:	Millen, White, Zelano & Branigan	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	361	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L19 ANSWER 4 OF 64 USPATFULL  
ACCESSION NUMBER: 93:71980 USPATFULL  
TITLE: Methods and compositions for the expression of biologically active eukaryotic cytochrome P450S in bacteria  
INVENTOR(S) : Barnes, Henry J., Dallas, TX, United States  
PATENT ASSIGNEE(S) : Board of Regents, The University of Texas, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5240831		19930831
APPLICATION INFO.:	US 1991-640473		19910110 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Moore, William W.		
LEGAL REPRESENTATIVE:	Arnold, White Durkee		
NUMBER OF CLAIMS:	49		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1565		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L19 ANSWER 5 OF 64 USPATFULL  
ACCESSION NUMBER: 93:52606 USPATFULL  
TITLE: Anticholinergic compounds, compositions and methods of treatment  
INVENTOR(S) : Hammer, Richard H., Gainesville, FL, United States  
Bodor, Nicholas S., Gainesville, FL, United States  
PATENT ASSIGNEE(S) : University of Florida, Gainesville, FL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5223528		19930629
APPLICATION INFO.:	US 1990-558823		19900727 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1988-245333, filed on 16 Sep 1988, now abandoned which is a		
continuation-in-part	of Ser. No. US 1988-189709, filed on 3 May 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-130454, filed on 17 Nov 1987, now abandoned which is a continuation-in-part of Ser. No. US 1986-839941, filed on 17 Mar 1986, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Springer, David B.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis		
NUMBER OF CLAIMS:	45		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1792		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L19 ANSWER 6 OF 64 USPATFULL  
 ACCESSION NUMBER: 93:33667 USPATFULL  
 TITLE: Tricyclic steroid analogs  
 INVENTOR(S): Covey, Douglas F., Ballwin, MO, United States  
 Hu, Yuefei, St. Louis, MO, United States  
 Zorumski, Charles F., St. Louis, MO, United States  
 Washington University, St. Louis, MO, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5206415		19930427
APPLICATION INFO.:	US 1991-811208		19911220 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Reamer, James H.		
LEGAL REPRESENTATIVE:	Meyer, Scott J.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1143		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L19 ANSWER 7 OF 64 USPATFULL  
 ACCESSION NUMBER: 93:33264 USPATFULL  
 TITLE: Enhancement of immune response  
 INVENTOR(S): Loria, Roger, Richmond, VA, United States  
 PATENT ASSIGNEE(S): Virginia Commonwealth University, Richmond, VA, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5206008		19930427
APPLICATION INFO.:	US 1991-739809		19910802 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-685078, filed on 15 Apr 1991		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: Granted  
PRIMARY EXAMINER: Page, Thurman K.  
ASSISTANT EXAMINER: Bawa, Raj  
LEGAL REPRESENTATIVE: Hendricks, Glenna  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 13 Drawing Figure(s); 7 Drawing Page(s)  
LINE COUNT: 819  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 8 OF 64 USPATFULL  
ACCESSION NUMBER: 92:106816 USPATFULL  
TITLE: 5 .alpha.-pregnan-20-ones and 5-pregnen-20-ones and related compounds  
INVENTOR(S): Schwartz, Arthur G., Philadelphia, PA, United States  
Lewbart, Marvin L., Media, PA, United States  
PATENT ASSIGNEE(S): Research Corporation Technologies, Inc., United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5175154		19921229
APPLICATION INFO.:	US 1987-126310		19871125 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Waddell, Frederick E.		
ASSISTANT EXAMINER:	Henley, III, Raymond J.		
LEGAL REPRESENTATIVE:	Scully, Scott, Murphy & Presser		
NUMBER OF CLAIMS:	98		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1297		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 9 OF 64 USPATFULL  
ACCESSION NUMBER: 92:86961 USPATFULL  
TITLE: Method for prophylaxis of obesity  
INVENTOR(S): Schwartz, Arthur G., Philadelphia, PA, United States  
Lewbart, Marvin L., Media, PA, United States  
PATENT ASSIGNEE(S): Research Corporation Technologies, Inc., Tuscon, AZ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5157031		19921020
APPLICATION INFO.:	US 1989-326355		19890321 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1986-867112, filed on 21 May 1986, now abandoned which is a continuation-in-part		
DOCUMENT TYPE:	of Ser. No. US 1983-519550, filed on 2 Aug 1983, now abandoned		
FILE SEGMENT:	Utility		
PRIMARY EXAMINER:	Granted		
LEGAL REPRESENTATIVE:	Rizzo, Nicholas S.		
NUMBER OF CLAIMS:	Scully, Scott, Murphy & Presser		
EXEMPLARY CLAIM:	19		
LINE COUNT:	1		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	1163		

L19 ANSWER 10 OF 64 USPATFULL

ACCESSION NUMBER: 92:86773 USPATFULL  
TITLE: Liquid suspension for oral administration  
INVENTOR(S): Mulligan, Seamus, Athlone, Ireland  
PATENT ASSIGNEE(S): Elan Corporation, PLC, Athlone, Ireland (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5156842		19921020
APPLICATION INFO.:	US 1991-769160		19910927 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-649225, filed on 28 Jan 1991, now abandoned which is a continuation of Ser. No. US 1988-208401, filed on 17 Jun 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1987-1645	19870619
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Rollins, John W.	
LEGAL REPRESENTATIVE:	Church, Marla J.	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	613	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 3 OF 7 USPATFULL

ACCESSION NUMBER: 89:19168 USPATFULL

TITLE: Method for the treatment of nervous system

degeneration

INVENTOR(S): Roberts, Eugene, Monrovia, CA, United States

PATENT ASSIGNEE(S): City of Hope, Duarte, CA, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 4812447	19890314
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APPLICATION INFO.:	US 1986-940789	19861211 (6)
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RELATED APPLN. INFO.:	Continuation of Ser. No. US 1985-790080, filed on 22 Oct 1985, now abandoned	
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DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Friedman, Stanley J.

LEGAL REPRESENTATIVE: Irons, Edward S.

NUMBER OF CLAIMS: 6

EXEMPLARY CLAIM: 1

LINE COUNT: 449

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

CLM What is claimed is:

1. A method for facilitating the growth of brain cells, comprising the step of administering **dehydroepiandrosterone** or **dehydroepiandrosterone sulfate** to said brain cells.

. . . A method for promoting the growth of nervous system tissue which comprises treating said tissue with an effective amount of **dehydroepiandrosterone sulfate**.

4. A method as claimed in claim 3, wherein said **dehydroepiandrosterone** comprises **dehydroepiandrosterone** or **dehydroepiandrosterone sulfate**.

6. A pharmaceutical **composition** for treating nervous system degeneration in a mammal caused by aging or senile dementia of the Alzheimer's type, comprising an effective amount of **dehydroepiandrosterone** or **dehydroepiandrosterone sulfate** in combination with 4-aminopyridine, quinine, verapamil, piracetam or arecholine selected from the group consisting of 4-aminopyridine, quinine, verapamil, piracetam. . .